

Sheet 1 of 1

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)ATTY. DOCKET NO.
MI22-2295SERIAL NO.
10/733,181APPLICANT
Micron Technology, Inc.FILING DATE
December 10, 2003GROUP
2812

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AC	AA	2001/0012223	08/01	Kohyama			
	AB	2002/0030221	03/02	Sandhu et al.			
	AC	2002/0098654	07/02	Durcan et al.			
	AD	2002/0153614	10/02	Ema et al.			
AC	AE	2003/0178684	09/03	Nakamura			
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

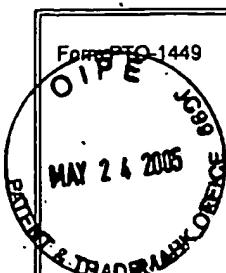
		Document Number	Date	Country	Class	Sub-class	Translation	
							Yes	No
AC	AJ	2004/027898	08/04	PCT Search Report				
AC	AK	2004/040252	12/04	PCT Search Report				
	AL							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

AC	AM	Kim, D.H. et al., "A Mechanically Enhanced Storage Node for Virtually Unlimited Height (MESH)" Capacitor Aiming at Sub 70nm DRAMs", IEEE Jan. 2004, pp. 69-72.

EXAMINER	DATE CONSIDERED
	AC Alpha 12/21/03

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 FORM PTO-1449 OIF MAY 26 2005 U.S. PATENT & TRADEMARK OFFICE	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MI22-2295	SERIAL NO. 10/733,181
	LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: H. Montgomery Manning et al.	
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U.S. PATENT DOCUMENTS							
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	AA						
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				EV550717282			

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes
<i>AC</i>	AD	DE 4447804	1/2002	Germany			Abstract
	AE						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
<i>AC</i>	AF	J. P. O'Sullivan et al., <i>The morphology and mechanism of formation of porous anodic films on aluminium</i> , PROC. ROY. SOC. LOND. A, Vol. 317, pp. 511-543 (1970)					
	AG	S. Shingubara, <i>Fabrication of nanomaterials using porous alumina templates</i> , J. NANOPARTICLE RES., Vol. 5, pp. 17-30 (2003).					
	AH	S. Tan et al., <i>High Aspect Ratio Microstructures on Porous Anodic Aluminum Oxide</i> , IEEE, pp. 267-272 (1995).					
	AI	J. Liang et al., <i>Nonlithographic Fabrication of Lateral Superlattices for Nanometric Electromagnetic-Optic ...</i> IEEE J. SELECTED TOPICS IN QUANTUM ELECTR., Vol. 8, No. 5, pp. 998-1008 (Sept/Oct 2002).					
	AJ	V. V. Konovalov et al., <i>Chemistry of Materials</i> , CHEM. MATER., Vol. 11, No. 8, pp. 1949-1951 (August 1999).					
<i>AC</i>	AK	H. Masuda et al., <i>Highly ordered nanochannel-array architecture in anodic alumina</i> , App. Phys. Lett., Vol. 71, No. 19, pp. 2770-2772 (November 1997).					
EXAMINER <i>AC</i>	DATE CONSIDERED	<i>AC Shfa 12/21/05</i>					
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							Yes	No
	AJ							
	AK							
	AL							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

<i>AC</i>	AM	D. Crouse et al., <i>Self-Assembled Nanostructures Using Anodized Alumina Thin Films for Optoelectronic Applications</i> , IEEE, pp. 234-235 (1999).				
	AN	A. Nadeem et al., <i>Fabrication of Microstructures Using Aluminum Anodization Techniques</i> , pp. 274-277 (pre-2004).				
	AO	C. Y. Liu et al., <i>Ordered anodic alumina nanochannels on focused-ion-beam-prepatterned aluminum surfaces</i> , Appl. Phys. Lett., Vol. 78, No. 1, pp. 120-122 (January 2001).				
EXAMINER <i>AC</i>	DATE CONSIDERED	<i>12/21/05</i>				

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U.S. PATENT DOCUMENTS							
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AC	AA	6,204,143	3/2001	Roberts et al.			
	AB	6,180,450	1/2001	Dennison			
	AC	5,340,763	8/1994	Dennison			
	AD	6,403,442	6/2002	Reinberg			
	AE	6,037,218	3/2000	Dennison et al.			
	AF	5,652,164	7/1997	Dennison et al.			
	AG	5,498,562	12/1995	Dennison et al.			
	AH	5,401,681	3/1995	Dennison et al.			
AC	AI	5,605,857	2/1997	Jost et al.			

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes
AC	AI	DE 4447804 C2	1/24/2002	Germany (Abstract)			X
	AK						
	AL						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER	DATE CONSIDERED	RELEVANT INFORMATION						
AC	AA	PCT/US2004/027898; Filed: 8/26/2004; PCT Search Report mailed 2/28/2005; 4 pp.						
AC	AN	'Novel Robust Cell Capacitor (Leaning Exterminated Ring Type Insulator) And New Storage Node Contact (Top Spacer Contact) For 70nm DRAM Technology And Beyond'; Park et al.;						
AC		2004 Symposium on VLSI Technology Digest of Technical Papers; 7/2004; pp. 34-35.						
		12/21/05						

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U.S. PATENT DOCUMENTS

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		Document Number	Date	Country	Class	Subclass	Translation	
				EV 549568325			Yes	No
	AJ							
	AK							
	AL							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

<i>AC</i>	AM	Banhart, <i>Aluminum Foams: On the Road to Real Applications</i> , MRS BULLETIN, pp. 290-295 (April 2003).
	AN	Gibson et al., <i>Cellular Solids</i> , MRS BULLETIN, pp. 270-274 (April 2003).
<i>AC</i>	AO	Green et al., <i>Cellular Ceramics: Intriguing Structures, Novel Properties, and Innovative Applications</i> , MRS
		BULLETIN, pp. 296-300 (April 2003).
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AJ			EV 5495	6	8375	Yes
AK						
AL						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

AC	AM	Green et al., <i>The Structure and Applications of Cellular Ceramics</i> , WEB EXTRA, 10 pages (April 2003).
	AN	Karp et al., <i>Scaffolds for Tissue Engineering</i> , MRS Bulletin, pp. 301-306 (April 2003).
	AO	Kraynik, <i>Foam Structure: From Soap Froth to Solid Foams</i> , MRS BULLETIN, pp. 275-276 (April 2003).
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AJ						Yes	No
AK							
AL							

EV549568329

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

<i>AC</i>	AM	Maire et al., <i>In Situ X-Ray Tomography Measurements of Deformation in Cellular Solids</i> , MRS BULLETIN,
		pp. 284-289 (April 2003).
	AN	Oh et al., <i>Preparation and Pore-Characteristics Control of Nano-Porous Materials Using Organometallic</i>
		<i>Building Blocks</i> , 4 CARBON SCIENCE, No. 1, pp. 1-9 (March 2003).
	AO	Onck, <i>Scale Effects in Cellular Metals</i> , MRS BULLETIN, pp. 279-283 (April 2003).
EXAMINER <i>John J. Orlitzky</i>	DATE CONSIDERED	<i>12/21/05</i>

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						Yes	No
AJ							
AK							
AL							

EV549568325

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

AC	AM	Park et al., <i>Block Copolymer Lithography: Periodic Arrays of ~10¹¹ Holes in 1 Square Centimeter</i> ,
		276 Science, pp. 1401-1404 (May 30, 1997).
AC	AN	Tsukada et al., <i>Preparation and Application of Porous Silk Fibroin Materials</i> , 54 JOURNAL OF APPLIED POLYMER
		SCIENCE, pp. 507-514 (1994).
I	AO	
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<i>[Signature]</i>		

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